
Subject: Can i use CONTOUR to retrieve the subscripts within a closed contour?

Posted by [Beate](#) on Sun, 01 May 2016 13:22:02 GMT

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Hi,

I use CONTOUR with the arguments path_info, path_xy, /path_data_coords and /closed to retrieve the subscripts of the closed contours.

Example:

```
contour, scl256img, levels=[80,130], path_info=info, path_xy=xy, /closed, /path_data_coords
npatch = n_elements(info)      ; number of patches
for i = 0, (npatch-1) do begin  ; loop over contours
    s = [indgen(info(i).n), 0]
    contourpath2D = xy[*, info(i).offset + s]
endfor
```

Q:

Can i use CONTOUR in a similar way to also retrieve the subscripts within the closed contours?
Or is there another IDL procedure or function that can help me with this?

Thanks!

Subject: Re: Can i use CONTOUR to retrieve the subscripts within a closed contour?

Posted by [Jeremy Bailin](#) on Mon, 02 May 2016 17:41:06 GMT

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On Sunday, May 1, 2016 at 8:22:04 AM UTC-5, Beate wrote:

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> Example:

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> for i = 0, (npatch-1) do begin ; loop over contours

> s = [indgen(info(i).n), 0]

> contourpath2D = xy[*, info(i).offset + s]

> endfor

>

> Q:

> Can i use CONTOUR in a similar way to also retrieve the subscripts within the closed contours?
> Or is there another IDL procedure or function that can help me with this?

>

> Thanks!

Rather than using CONTOUR, the easiest way is to just use a simple WHERE:

```
label_by_contour_level = VALUE_LOCATE([80, 130], scl256image)
above_130 = WHERE(label_by_contour_level eq 1)
between_80_and_130 = WHERE(label_by_contour_level eq 0)
below_80 = WHERE(label_by_contour_level eq -1)
```

-Jeremy.
